

## CRYOCOOLER SERVICE REPORT

**Date of work:** 4-22-04

**Beamline:** 9-ID

**Requestor:** T. Gog

**Vessel serial no:** AMG01100/58

**Pump serial no:** 13-J-95

**Oxford series:** C

**Pump operating hours:** 24750

**Technician(s):** D. Ferguson / D. Burke

### Summary of work:

1. Pump bearing replace; impeller gap to 0.020"; bearing run-in per manual.
2. Replace heater stick
3. Replace casters
4. Motor shaft housing cleaned with alcohol (removed slight oily residue)
5. Replaced screws on impeller housing
6. Helium leak check on LN2 side: found leaks at compression fitting for level probe and heater stick. Tightened fittings to eliminate leak.
7. Evacuate vessel jacket and 3 bayonet fittings

[Link to service request form](#)

[Link to copy of logbook notes](#)

[Link to LN2 pump manual](#)